



Indiana Department of Environmental Management
Office of Water Quality
Wetlands Section

Publication Date:
January 13, 2009

Closing Date:
February 3, 2009

IDEM ID Number:
2008-625-08-JPS-A

Corps of Engineers ID Number:
LRL-2008-1467-lcl

PUBLIC NOTICE

To all interested parties:

This letter shall serve as a formal notice of the receipt of an application for **Section 401 Water Quality Certification** by the Indiana Department of Environmental Management (IDEM). The purpose of the notice is to inform the public of active applications submitted for water quality certification under Section 401 of the Clean Water Act (33 U.S.C. § 1341) and to solicit comments and information on any impacts to water quality related to the proposed project. IDEM will evaluate whether the project complies with Indiana's water quality standards as set forth at 327 IAC 2.

-
- | | | | |
|----------------------|---|------------------|--|
| 1. Applicant: | The Honorable Randy J. Strasser
City of Delphi
201 S. Union St.
Delphi, IN 46926 | 2. Agent: | Ryan Scott
Butler, Fairman, and Seufert
8450 Westfield Blvd., Ste. 300
Indianapolis, IN 46240 |
|----------------------|---|------------------|--|
- 3. Project location:** Sections 19 and 30, Township 25 North, Range 2 West, Delphi USGS Quad
Project is located along the Wabash Erie Canal beginning north of Washington St. and continuing at several points to the south until the canal reaches the existing railroad, near Delphi, Carroll County
- 4. Affected waterbody:** Wabash-Erie Canal
- 5. Project Description:** The applicant proposes to recreate historic canal operations within a portion of the Wabash Erie canal. Activities proposed are as follows: 1) construct temporary access to the channel under the existing Washington St. bridge by grading the channel slope to 3:1 and laying a riprap path 15' wide and 18" thick for equipment access into the canal (35' impact, 29.2 cyds riprap, 0.012 acre temporary impact). 2) Placement of stone under the Washington St. bridge and installation of concrete barrier rails to guide the canal boat through the crossing (0.03 acre open water impact, 35.7 cyds of stone, 8.3 cyds of concrete). 3) Widening of channel southwest of the Washington St. bridge to provide a 70' wide turnaround area for the canal boat. Existing bedrock will be blasted away and then removed from the canal (110' of impact, 0.015 acre impact, 24.4 cyds rock removal). 4) Straightening of 1,700' of bank between the Washington St. bridge and the railroad tracks with cut and fill and replacement of existing concrete blocks with placement of riprap (850' total bank impact, 0.08 acre of fill, 252 cubic yards earthen fill and rock placement). 5) Channel widening northeast of existing railroad bridge to create 70' wide turning area for canal boat (100' bank impact, 0.02 acre impact, 148 cubic yards of excavated material). 6) Construction of replica lock and gates to allow uninterrupted water passage just north of railroad tracks (installation of 20' of cut stone into banks; 3 cyds of stone; 40 square foot impact and installation of wood timbers on the canal floor through the walls of the replica stone lock; 20' of impact; 240 square feet impact' 9 cubic yards of wood).

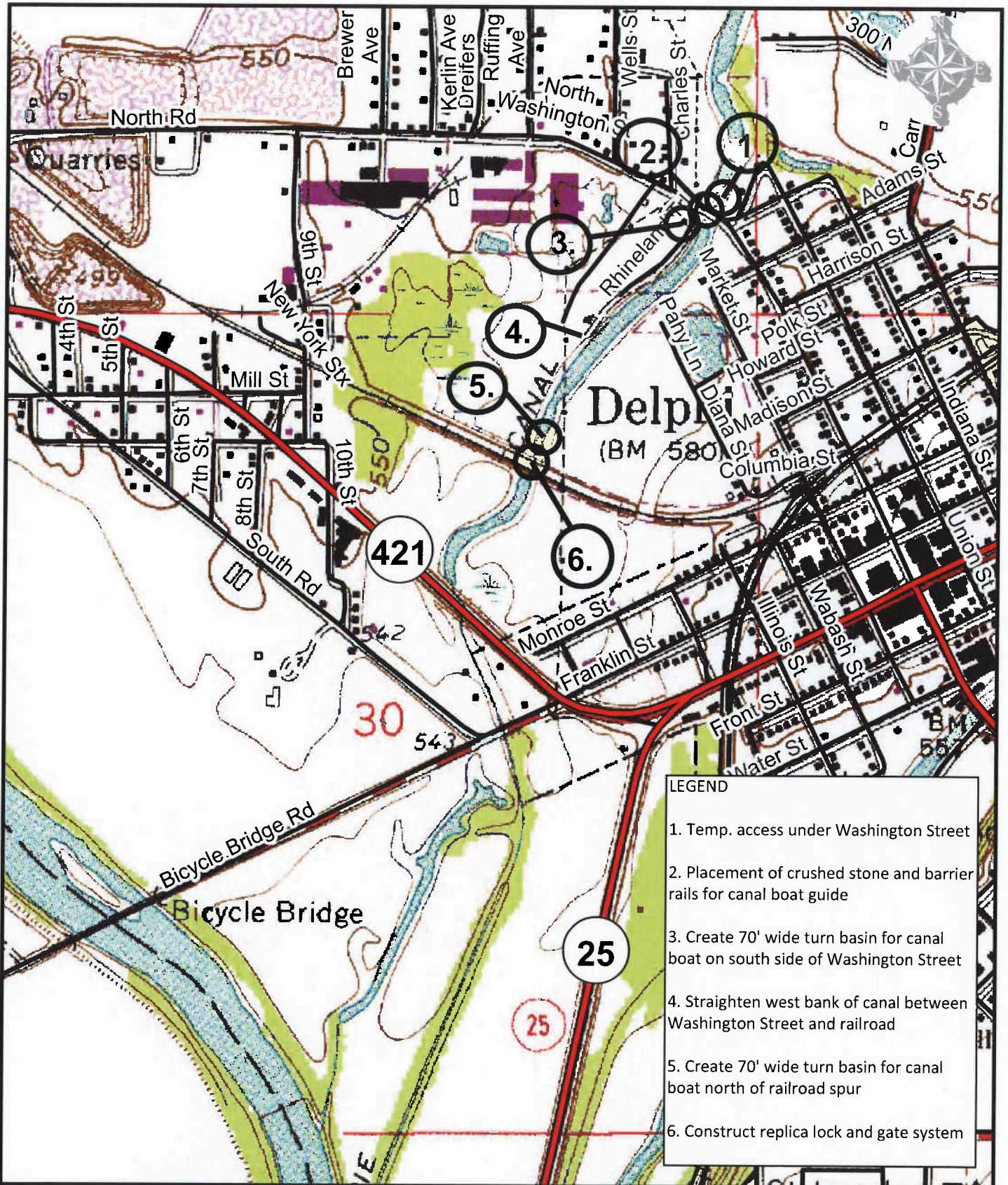
Comment period: Any person or entity who wishes to submit comments or information relevant to the aforementioned project may do so by the closing date noted above. Only comments or information related to water quality or potential impacts of the project on water quality can be considered by IDEM in the water quality certification review process.

Public Hearing: Any person may submit a written request that a public hearing be held to consider issues related to water quality in connection with the project detailed in this notice. The request for a hearing should be submitted within the comment period to be considered timely. The request should also state the reason for the public hearing as specifically as possible to assist IDEM in determining whether a public hearing is warranted.

Questions?

Additional information may be obtained from Ms. Liz Pelloso, Project Manager, at 317-233-2482. Please address all correspondence to the project manager and reference the IDEM project identification number listed on this notice. Indicate if you wish to receive a copy of IDEM's final decision. Written comments and inquiries may be forwarded to -

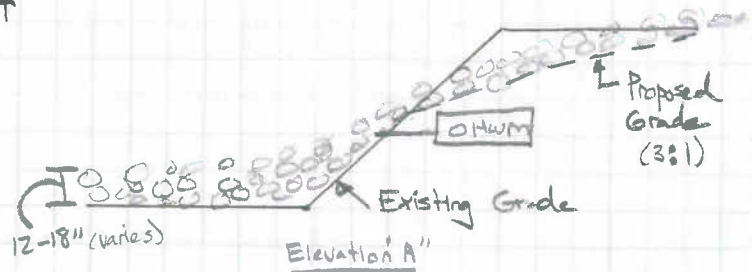
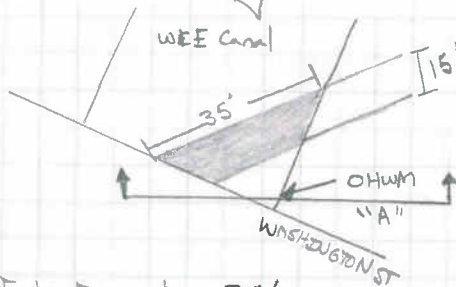
Indiana Department of Environmental Management
100 North Senate Avenue
MC65-42 WQS IGCN 1255
Indianapolis, Indiana 46204-2251
FAX: 317/232-8406



JOB Multiple Historic Canal Improvements, Delphi
ITEM Permit impact quantities (sites 1-9)

DES. RS DATE 11/5/08
CK. DATE 11/12/08 revised

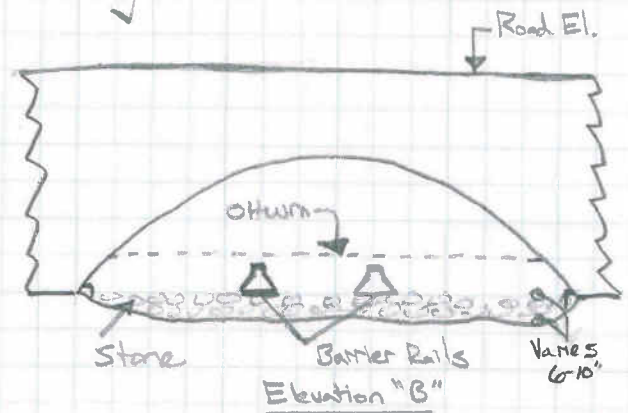
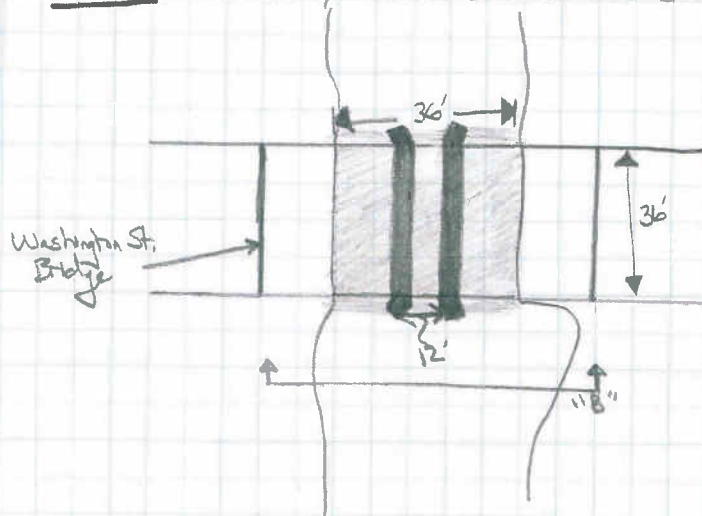
Site 1: Temporary Access Under Washington St.



- Linear feet of impact = 35'
- Area of impact = $35' \times 15' = 525 \text{ ft}^2 = \underline{0.012 \text{ acre}}$

$$\begin{aligned} \text{Cydls of impact} &= 525 \text{ ft}^2 \times 1.5' \\ &= 787.5 \text{ ft}^3 \\ &= \underline{29.2 \text{ cydls}} \end{aligned}$$

Site 2: Stone & Concrete Barriers Under Washington St.



$$\begin{aligned} \text{SA} &= 2.8 \text{ ft}^2 \\ 2.8 \text{ ft}^2 \times 10' &= 28 \text{ ft}^3 \\ &= \underline{1.04 \text{ cydls}} \end{aligned}$$

- Linear ft. of impact = 40'
- Area of impact = $36' \times 40' = 1,440 \text{ ft}^2 = \underline{0.03 \text{ acre}}$
- Cydls of stone = $1,440 \text{ ft}^2 \times 0.67' = 965 \text{ ft}^3 = \underline{35.7 \text{ cydls}}$
- Cydls of concrete = $1.04 \text{ cydls} \times 8 = \underline{8.3 \text{ cydls}}$

JOB Multiple Historic Canal Improvements, Delphi

DES. RS

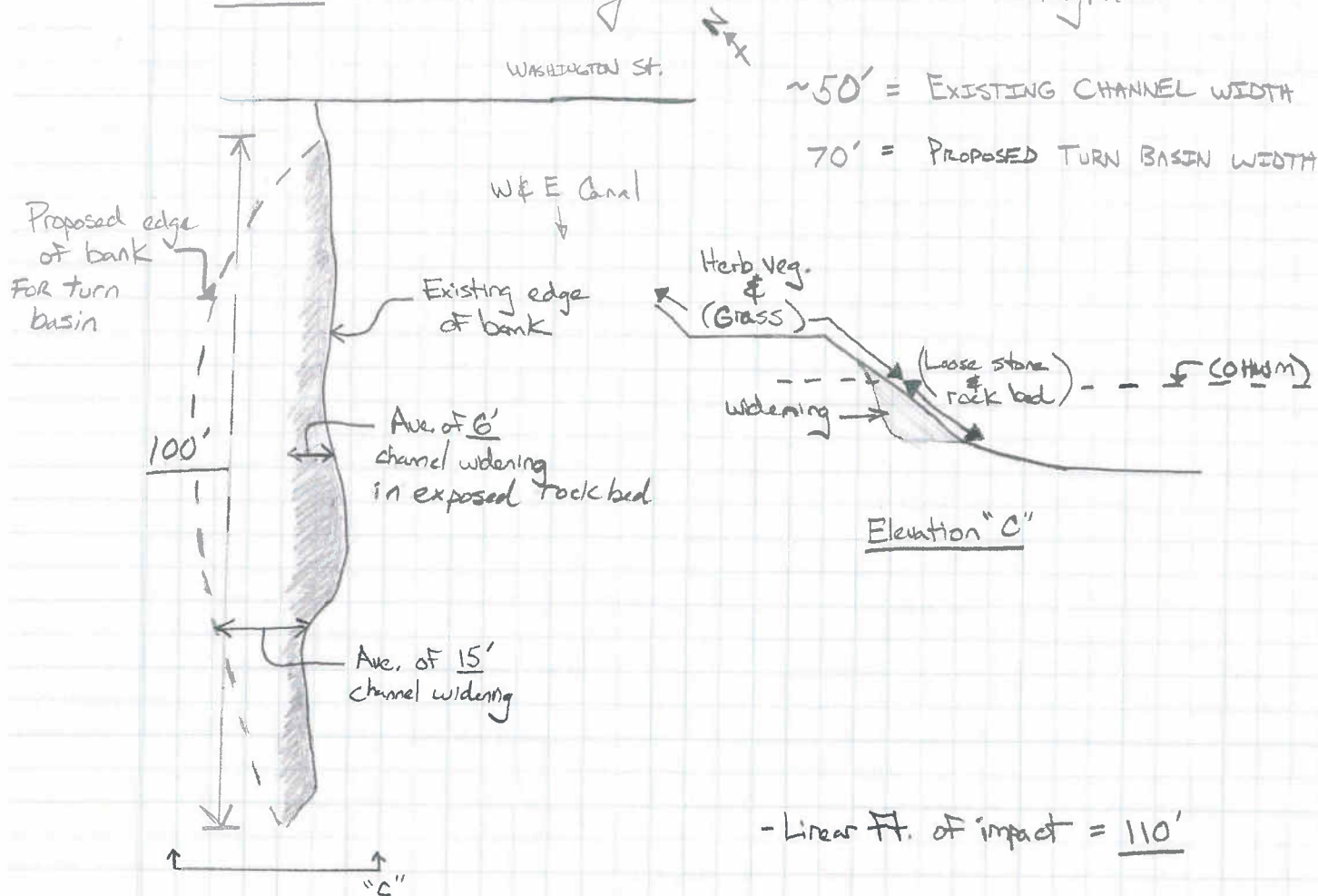
DATE 11/5/08

ITEM Permit impact quantities (sites 1-9)

CK.

DATE 11/12/08 revised

Site 3: Channel widening Southwest Quad of Washington St. *



- Linear Ft. of impact = 110'

- Area of impact = $110' \times 6' = 660 \text{ Ft.}^2$
or 0.015 acre

- Cyclic material removed = $(\frac{1}{2} \times 6') \times 2' = 6 \text{ Ft.}^2$

$6' \times 110' = 660 \text{ Ft.}^2$
= 24.4 gals

* NOTE: A MINOR AMOUNT OF WIDENING MAY BE REQUIRED ON THE SE. QUADRANT ($\leq 5 \text{ Ft.}$) TO OBTAIN 70' WIDE TURN BASIN

JOB Multiple Historic Canal Improvements

DES. RS

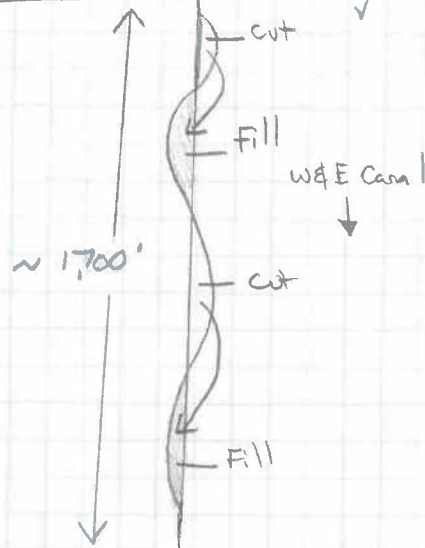
DATE 11/5/08

ITEM Permit Impact Quantities (sites 1-9)

CK. _____

DATE 11/12/08 revised

Site 4: Bank Straightening*



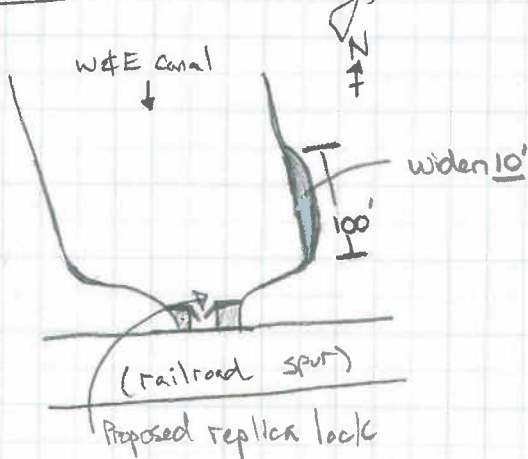
- Linear Ft. of impact = 850' (R11)

- Area of Fill = $850' \times 4' = 3,400'$
= 0.08 acre

- Cyds. of Fill = $4' \times 2' \times 850'$
 $6,800 \text{ ft}^3$
= 252 cyds

* Much of the bank work
South of the Interpretive Center
will involve removal of large
blocks of concrete & replacement
w/ riprap

Site 5: Channel Widening; N. of Railroad Spur for turn basin



- Linear Ft. of impact = 100'

- Area of Impact = $100' \times 10'$
= $1,000'$
= 0.02 acre

- Cyds removed = $1,000 \text{ ft}^2 \times 4 = 4,000$
 $4,000 \text{ ft}^3 =$ 148 cyds

JOB Multiple Historic Canal Improvements, Delphi
ITEM Permit Impact Quantities (Sites 1-9)

DES. RS DATE 11/5/08
CK. _____ DATE 11/12/08 revised

Site 6. Replica Lock

- Sketches completed by Canal Association. -

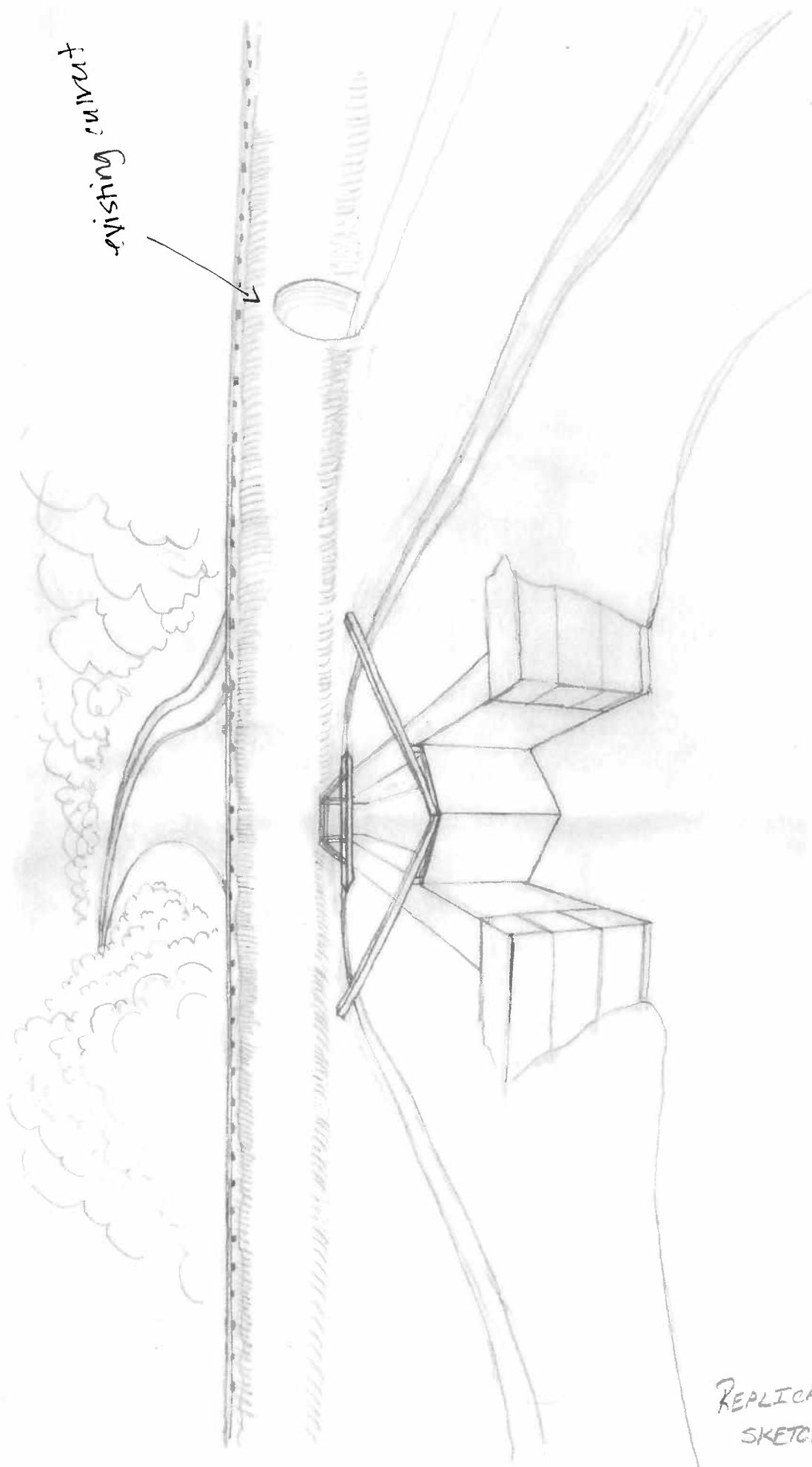
Fill Quantities for replica lock

• Cut Stone

$$\begin{aligned} \text{Lft.} &= 20' \\ \text{Area} &= 40 \text{ ft. Sq.} \\ \text{Cyd.s} &= 80 \text{ cu. ft.} = 2.96 \approx \underline{3 \text{ cyd.s.}} \end{aligned}$$

• Wood Timbers

$$\begin{aligned} \text{Lft.} &= 20' \\ \text{Area} &= 240 \text{ ft.}^2 \\ \text{Cyd.s.} &= 8.9 \approx \underline{9 \text{ cyd.s.}} \end{aligned}$$



REPLICA LOCK
SKETCH (2 of 2)